Claims:

1-26. Canceled.

27. (New) A fused cast refractory composition having high electrical resistivity comprising 0.8 wt.% to 2.5 wt.% Al_2O_3, 4.0 wt.% to 10.0 wt.% SiO_2, 86 wt.% to 95 wt.% ZrO_2, 0.1 wt.% to 1.2 wt.% B_2O_3, up to 0.04 wt.% Na_2O, up to 0.19 wt.% CaO, up to 0.1% Fe_2O_3 and up to 0.25% TiO_2.

28. (New) The refractory composition of claim 27, wherein the composition comprises 0.9 wt.% to 2.0 wt.% Al_2O_3.

29. (New) The refractory composition of claim 28, wherein the composition comprises 0.95 wt.% to 1.85 wt.% Al_2O_3.

30. (New) The refractory composition of claim 27, wherein the composition comprises 4.4 wt.% to 8.8 wt.% SiO_2.

31. (New) The refractory composition of claim 30, wherein the composition comprises 6 wt.% to 8 wt.% SiO_2.

32. (New) The refractory composition of claim 27, wherein the composition comprises 4.4 wt.% to 8.8 wt.% SiO_2, and 88 wt.% to 95 wt.% ZrO_2.

33. (New) The refractory composition of claim 27, wherein the composition comprises 89.3% to 93.6% ZrO_2.

34. (New) The refractory composition of claim 27, wherein the composition comprises 0.3% to 0.9% B_2O_3.

35. (New) The refractory composition of claim 27, wherein the composition comprises

less than 0.02 wt.% Na_2O.

36. (New) The refractory composition of claim 35, wherein the composition comprises less than 0.1 wt.% CaO.

37. (New) The refractory composition of claim 27, wherein the composition includes up to 0.25 wt.%.from a group consisting of CaO, NaO and MgO.

38. (New) A refractory composition having high electrical resistivity consisting essentially of 0.8 wt.% to 2.5 wt.% Al_2O_3, 4.0 wt.% to 10.0 wt.% SiO_2, 86 wt.% to 95 wt.% ZrO_2, 0.1 wt.% to 1.2 wt.% B_2O_3, up to 0.04 wt.% up to Na_2O, 0.19 wt.% CaO, up to 0.1 wt.% Fe_2O_3 and up to 0.25 wt.% TiO_2.

39. (New) The refractory composition of claim 38, wherein the composition includes of 0.95 wt.% to 1.85 wt.% Al_2O_3, 4.4 wt.% to 8.8 wt.% SiO_2, 89.3 wt.% to 93.6 wt.% ZrO_2, and 0.3 wt.% to 0.9 wt.% B_2O_3.

40. (New) A refractory composition having high electrical resistivity consisting essentially of 0.8 wt.% to 2.5 wt.% Al_2O_3, 4.0 wt.% to 10.0 wt.% SiO_2, 86 wt.% to 95 wt.% ZrO_2, 0.1 wt.% to 1.2 wt.% B_2O_3, up to 0.1 wt.% Fe_2O_3, up to 0.25 wt.% TiO_2, and up to 0.25 wt.% of a group consisting of Na_2O, CaO and MgO.

41. (New) The refractory composition of claim 40, wherein the composition includes of 0.96% to 1.1% Al_2O_3, 6.6% to 8.8% SiO_2, 89.3% to 91.2% ZrO_2, 0.6% to 0.9% B_2O_3, up to 0.1% CaO, and up to 0.1% TiO_2.